

## **In the Claims:**

Please amend the claims as follows:

1. (Currently Amended) A method in an electronic document distribution system for routing broadcasting packets from a sending router ~~to a receiving router~~ comprising:

a broadcasting packet, including a unit of information to be transmitted as a whole from the sending router;

breaking the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;

for each packet determined to be a large packet:

stripping a payload of the packet from the header from a broadcasting packet at the receiving router, wherein each packet in a group of broadcasting packets associated with a specific payload has identical payloads and different headers;

storing the stripped payload in the sending router as a coded header of the broadcasting packet local to the receiving broadcasting router;

transmitting a the payload header for each of the broadcasting packets from the sending router to from the receiving sending router; and

separate from the payload, transmitting the coded header; and

forming a full broadcasting packet following completion of separate transmission of the payload and the coded header, including attaching the coded header to the separately transmitted payload.

attaching a corresponding broadcasting payload stored local to the receiving router to each header arriving at the receiving router separately from the broadcasting payload.

2. (Currently Amended) The method of claim 1, wherein the step of stripping the payload of the packet from the header further comprises coding the stripped payload to a set of symbols, replacing the packet with the coded set of symbols, and adding the coded set of symbols to the coded header, further comprising reducing the broadcasting packet to header information.

3. Cancel

4. (Currently Amended) The method of claim 1 ~~3~~ wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

5. (Currently Amended) The method of claim 1 ~~3~~ wherein:  
said communication network is a distributed network;  
said ~~broadcasting~~ payloads are digitized packets; and  
said network distribution system is a network server system.

6. (Currently Amended) A document distribution system for sending ~~and receiving~~ broadcasting packets comprising:

a broadcasting packet, including a unit of information to be transmitted as a whole from the sending router;

a manager to break the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;

for each packet determined to be a large packet:

~~a manager to associate a payload of each broadcasting packet with a set of symbols and to store said set of symbols in a broadcasting packet header;~~

~~said manager to strip said payload of the packet from the header from a~~

~~broadcasting packet at a receiving router, wherein broadcasting packets associated with a specific payload have identical payloads and different headers;~~

~~said manager to store said payload local to the receiving router as a coded header;~~

~~a sending router to transmit a the coded header for each of the broadcasting packets to the receiving router; and~~

the sending router to transmit the payload separate from the coded header; and

formation of a full broadcasting packet following completion of the separate transmissions, including attachment of the coded header to the separately transmitted payload.

~~based upon said set of symbols in the header information, said manager to attach a corresponding payload stored local to the receiving router to each header arriving at the receiving router separately from the broadcasting payload.~~

7. (Currently Amended) The system of claim 6, the manager stripping the payload of the packet from the header further comprises coding the stripped payload to a set of symbols, replacement of the packet with the coded set of symbols, and addition of the coded set of symbols to the coded header ~~further including the step of reducing the broadcasting payload of the broadcasting packet to a header of the broadcasting packet.~~

8. Cancel

9. (Currently Amended) The system of claim ~~8~~ 6 wherein said document distribution system is an electronic mail distribution system associated with electronic mail sources.

10. (Currently Amended) The system of claim ~~8~~ 6 wherein:

said communication network is a distributed network; said ~~broadcasting~~ payloads are digitized packets; and

said network distribution system is a network server system.

11. (Currently Amended) An article including a document distribution system comprising a computer readable memory storage medium including computer readable instructions, said instructions comprising:

instructions for transmitting a broadcasting packet including a unit of information as a whole from a sending router;

instructions for breaking the broadcasting packet into multiple packets before transmission with each of the multiple packets designated for traveling a different route from the sending router;

for each packet determined to be a large packet:

instructions for stripping a payload of the packet from the header~~from a~~  
broadcasting packet at a receiving router, wherein broadcasting packets associated  
~~with a specific payload have identical payloads and different headers; and~~  
instructions for storing the stripped payload in the sending router as a coded  
header ~~local to the receiving router;~~

instructions for transmitting the coded headers ~~for each of the broadcasting packets from~~  
a sending router to the receiving router; and

instructions for transmitting the stripped payload, separate from the coded header; and  
following transmission, instructions for forming a full broadcasting packet, including  
attaching the coded header to the separately transmitted payload.

~~instructions for attaching a corresponding broadcasting payload stored in local to the~~  
~~receiving router to each header arriving at the receiving router separately from the broadcasting~~  
~~payload.~~

12. (Currently Amended) The article of claim 11, wherein the instructions for stripping a  
payload of the packet from the header further comprise instructions for coding the stripped  
payload to a set of symbols, replacing the packet with the coded set of symbols, and adding the  
coded set of symbols to the coded header ~~further comprising means in the document distribution~~  
~~system for reducing the broadcasting payload of the broadcasting packet to a header of the~~  
~~broadcasting packet.~~

13. Cancel

14. (Currently Amended) The article of claim ~~13~~ 11 wherein said document distribution system  
is an electronic mail distribution system associated with electronic mail sources.

15. (Currently Amended) The article of claim ~~13~~ 11 wherein:

said communication network is a distributed network; said ~~broadcasting~~ payloads are  
digitized packets; and

said network distribution system is a network server system.